



I-66 Pavement Rehabilitation Project Route 50 to I-495 RFQ Information Meeting

May 13, 2009

Susan Shaw, PE –

**Project Manager
Northern Virginia District Construction**

Shailendra Patel, PE –

**Assistant Director
Innovative Project Delivery**

Topics

- **Project Overview**
- **RFQ**
- **RFP Information Package**
- **RFQ Schedule and Requirements**
- **Questions / Answers**

3



Pavement Condition

- Old Pavement in Poor Condition
- Distresses generally at transverse joints
- Isolated slabs have distress (spalling) throughout



Challenges for Pavement Reconstruction

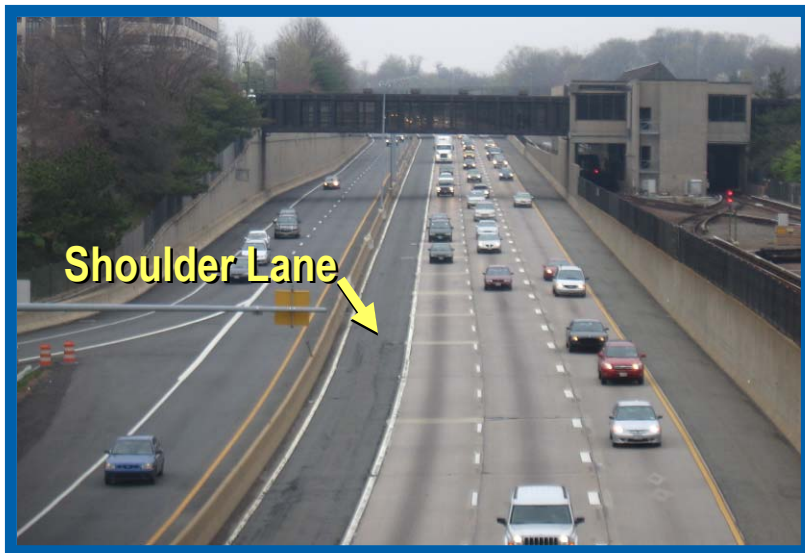
Overview

- **Limited Space to Maintain Traffic**
- **Limited Times for Lane Closures**
- **Limited Overhead Clearance for Existing Bridges**
- **Drainage**
- **Utilities**
- **Concrete Barriers**
- **Lane shifts across Longitudinal Joints in Concrete**

Challenges for Pavement Reconstruction

Limited Space for M.O.T.

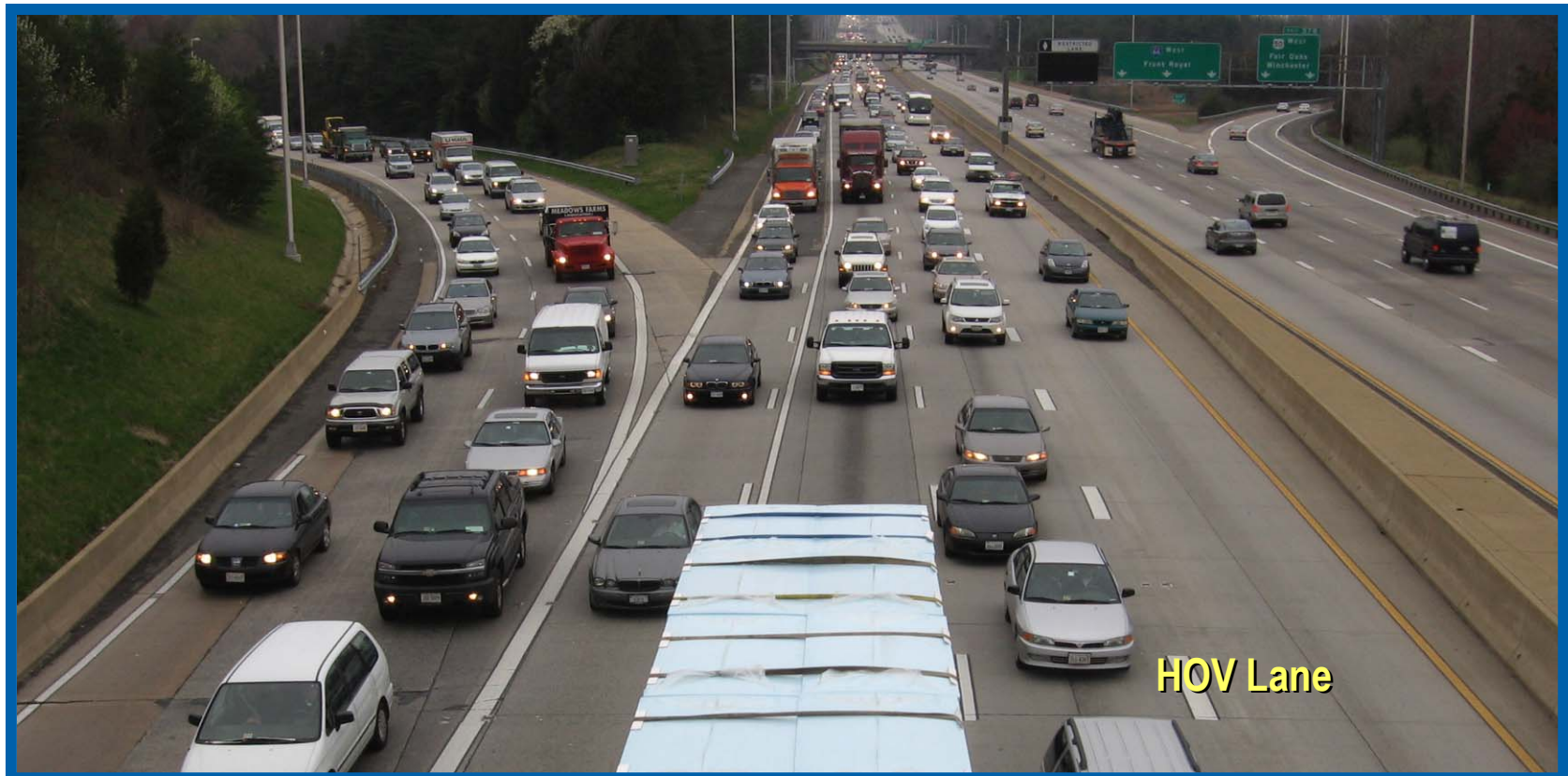
- Outside shoulder is currently used as travel lane in peak hours (5:30 am to 11:00 am EBL and 2:00 pm to 8:00 pm WBL)
- Inside shoulder is only 2 ft. to 8 ft. wide
- No shoulders at some bridge locations; no shoulders on CD road at Nutley Street (retaining walls)



Challenges for Pavement Reconstruction

Limited Times For Lane Closures

- Will Be Permitted During Night-time Hours



Challenges for Pavement Reconstruction

Limited Overhead Clearance for Existing Bridges

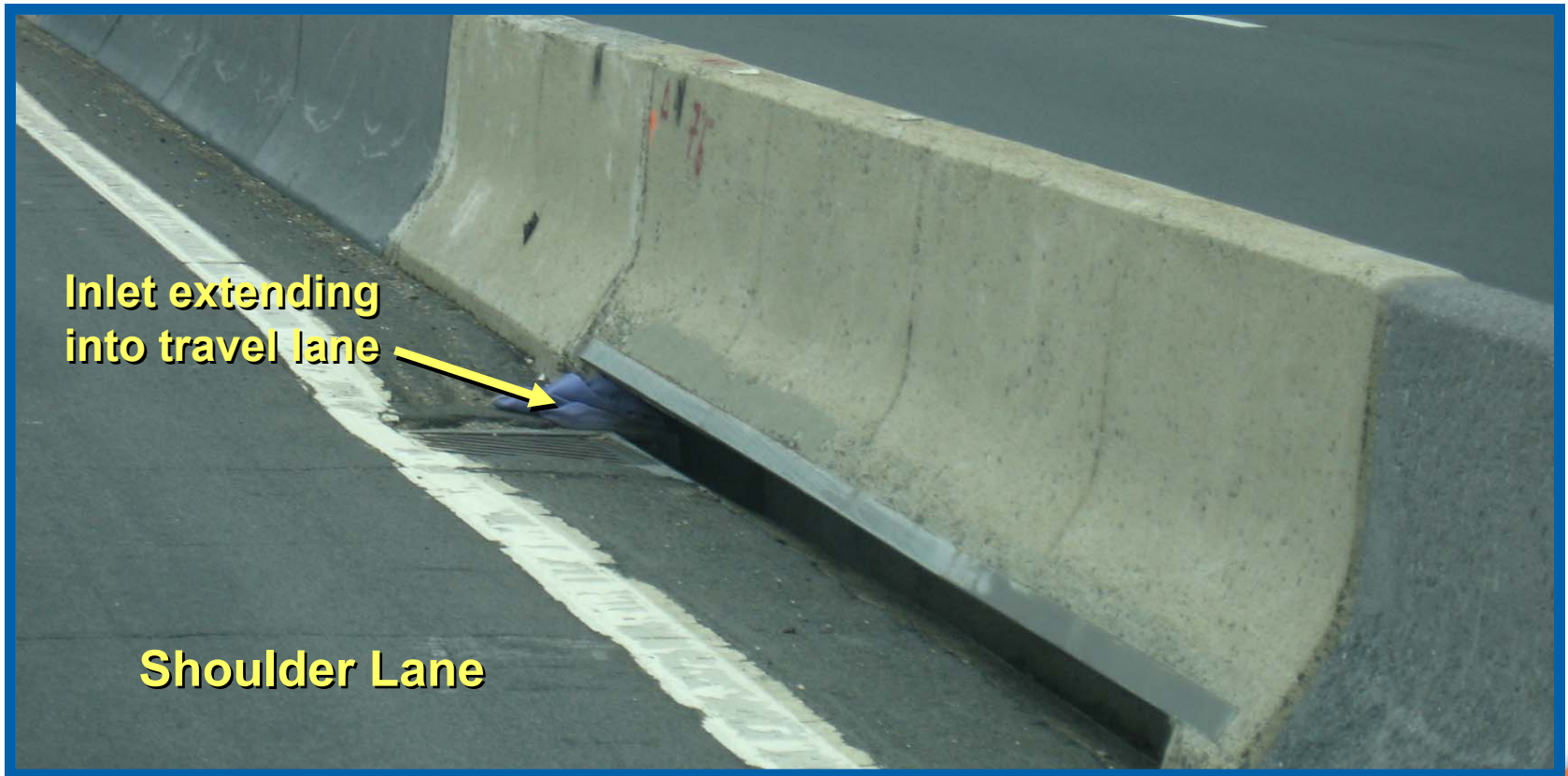
- 13 bridge structures; 7 Less than 16'-10" (2 less than 16'-6")



Challenges for Pavement Reconstruction

Drainage

- Inlets extend into shoulder travel lane



Challenges for Pavement Reconstruction

Utilities

- TMS fiber optic trunk line for I-66 in outside barrier (EBL only)

**TMS Fiber Optic
Trunk Line**



Challenges for Pavement Reconstruction

Concrete Barriers

- Median and Metro (5 miles “locked in”)



Challenges for Pavement Reconstruction

Lane shifts across Longitudinal Joints in Concrete

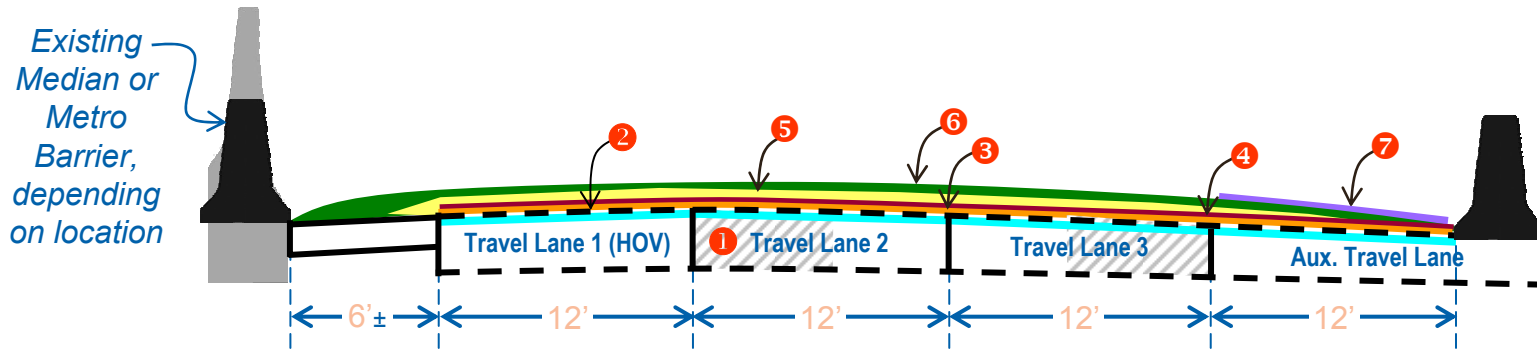


Project Overview

(Section 2.0)

- **Approximately 6.5 miles long**
- **Full-depth concrete patching**
- **4.5 inch (approx.) asphalt overlay**
 - Maintain vertical clearances
 - Adjust existing inlets and concrete barrier
- **Utility and ITS Coordination**
- **All I-66 lane closures during night hours**
- **Coordinate construction with other roadway projects**

Proposed I-66 Typical Section



- ① Patch badly deteriorated concrete pavement with full-depth concrete patches and seal joints
- ② Patch minor spalling with asphalt
- ③ Seal joints, eradicate pavement markings, remove snow plowable raised pavement markers
- ④ Place 5/8" hot mix asphalt concrete overlay (stress absorbing membrane interface layer)
- ⑤ 2" SMA-12.5 (PG 76-22, polymer modified)
- ⑥ 1-1/2" SMA-9.5 (PG 76-22, polymer modified)
- ⑦ 3/8" Tyregrip or equivalent to delineate auxiliary travel lane

Project Overview

(Section 2.0)

- **Geometric design and analysis**
- **Drainage design**
- **Transportation Management Plan**
- **Stakeholder Coordination & Public Relations**
- **Design Waivers and Exceptions**
- **Federal Funding & Federal Oversight**

Stakeholder Coordination

- **Fairfax County**
- **City of Fairfax**
- **Town of Vienna**
- **WMATA**
- **I-495 HOT Lanes**
- **I-66 Spot Improvements (inside Beltway)**
- **VDOT Operations (Traffic Management System)**
- **Police/Fire/Rescue**

Anticipated RFP Information Package

- **Preliminary Plans showing required concrete patch locations and asphalt build-up**
- **Typical Sections**
- **Topographic Survey files and the DTM**
- **Existing Conditions and Accident Analysis; Report and Recommendations**
- **Aerial and other photographs**

Procurement Overview

- **Two-phase procurement**
- **Anticipate shortlisting three highest ranked Offerors**
- **Selection based upon responsive Low Bid**
- **\$10,000 Stipend to shortlisted Offerors not selected**

Request for Qualifications (RFQ)

Estimated Contract Value - \$50,000,000

Anticipated Schedule (Section 2.5)

RFQ Questions to VDOT	05/21/09
VDOT Response to Questions	06/03/09
Qualifications Submission Date	06/12/09
Notification of Shortlist	08/20/09
RFP Release Date	09/15/09
Proposals Due	11/04/09
Anticipated Award Date	12/17/09

Contents of Statements of Qualifications (SOQ)

- **Letter of Submittal** (Sect. 3.2)
(POC, Organization, Surety, License and Registration, 11% DBE Goal)
- **Offeror's Team Structure** (Sect. 3.3)
- **Experience of Offeror's Team** (Sect. 3.4)
- **Quality Control and Quality Assurance** (Sect. 3.5)
- **Project Controls** (Sect. 3.6)
- **SOQ Format** (Sect. 5.2)

10 Copies Due on June 12, 2009

Other RFQ Provisions

- **SCC registration**
- **Title VI Compliance**
- **eVA**
- **SWaM**
- **Keeping the Team Intact**
- **Conflict of Interest**
- **Ethics in Public Contracting Act**

ATTACHMENT 3.3.2

KEY PERSONNEL RESUME FORM

Brief Resume of Key Personnel anticipated for the Project.	
a. Name & Title:	
b. Project Assignment:	
c. Name of Firm with which you are now associated:	
d. Years experience: With this Firm _____ Years With Other Firms _____ Years Please list chronologically (most recent experience first) your employment history, position and general experience or fields of practice for the last fifteen(15) years. (NOTE: If you have less than 15 years of experience, please list all of your experience for those years you have worked.);	
e. Education: Name & Location of Institution(s)/Degree(s)/Year/Specialization:	
f. Active Registration: Year/First Registered/ Discipline/VA Registration #:	
g. Document the extent and depth of your experience and qualifications relevant to the Project. 1. Note your specific responsibilities and authorities for each assignment, not those of the firm. 2. Note whether experience is with current firm or with other firm. 3. Provide beginning and end dates for each assignment. (List at least three (3), but no more than five (5) relevant projects for which you have performed a similar function.)	

Evaluation Criteria

• Offeror's Team Structure	35%
• Experience of Offeror's Team	25%
• Quality Control and Quality Assurance	25%
• Project controls	<u>15%</u>
Total	100%

Evaluation Process

Scoring Range Application (Section 4.2)

- Numerical score based on a 1-5 scale
- Evaluation Criteria and Rating Description included for each submittal requirement
- Guidelines for Evaluation of Design-Build Proposals (On VDOT'S Design-Build Website)

ATTACHMENT 3.1.2

STATEMENT OF QUALIFICATIONS CHECKLIST AND CONTENTS

Offerors shall furnish a copy of this Statement of Qualifications (SOQ) Checklist, with the page references added, with the Statement of Qualifications.

Statement of Qualifications Component	Form (if any)	RFQ Cross reference	Included within 35 page limit?	SOQ Page Reference
Statement of Qualifications Checklist and Contents		Section 3.1.2	no	
Letter of Submittal (on Offeror's letterhead)		Section 3.2.1	yes	
Offeror's official representative information		Section 3.2.1	yes	
Principal officer information		Section 3.2.2	yes	
Offeror's Corporate Structure		Section 3.2.3	yes	
Affiliated/subsidiary companies		Section 3.2.4	yes	
Lead contractor prequalification evidence		Section 3.2.5	yes	
Evidence of obtaining bonding		Section 3.2.6	yes	
Professional Services documentation		Section 3.2.7	yes	
Disadvantaged Business Enterprises statement		Section 3.2.8	yes	
Offeror's Team Structure				
Identity of and information about the Key Personnel		Section 3.3.1	yes	
Key Personnel Resume – DB Project Manager	Attachment 3.3.1	Section 3.3.1.1	no	
Key Personnel Resume – Design Manager	Attachment 3.3.1	Section 3.3.1.2	no	
Key Personnel Resume – Construction Manager	Attachment 3.3.1	Section 3.3.1.3	no	
Key Personnel Resume – Quality Assurance Manager	Attachment 3.3.1	Section 3.3.1.4	no	

Sample SOQ Score Sheet

			Evaluator							
			NUMERICAL VALUE	1	2	3	AVG.	Convert to 10 pt scale	RATING WEIGHT	WEIGHTED EVALUATION
3.3 OFFEROR'S TEAM STRUCTURE			0-5	4	4.5	5	4.50	9.00	35%	3.15
Information on Offeror's team structure, reporting relationship, functional relationships										
3.4 EXPERIENCE OF OFFEROR'S TEAM			0-5	3	3	3.5	3.17	6.33	25%	1.58
Experience of Offeror's team including lead contractor, lead designer, subconsultant and/or major subcontractor.										
3.5 Quality Control and Quality Assurance			0-5	3	3.5	3	3.17	6.33	25%	1.58
QA and QC functions for both design and construction.										
3.6 Project Controls			0-5	5	4.5	5	4.83	9.67	15%	1.45
Means and methods by which Offeror will plan and control the scheduling of work including schedule management techniques and Work Breakdown Structure.										
3.2.8 DBE		11%	PASS/FAIL	pass	pass	pass				
									TOTAL	7.77
									SCORE	77.67

RFQ Questions (Sect. 6.0)

- All questions and requests for clarifications shall be submitted in writing.
- Deadline for submittal of RFQ questions is **May 21, 2009.**
- Responses will be posted on VDOT's I-66 Pavement Rehabilitation Project RFQ website on **June 3, 2009.**

VDOT Point of Contact

- **Shailendra G. Patel, P.E.**
Innovative Project Delivery Division
1401 East Broad Street
Richmond, Virginia 23219
Phone: (804) 692-0476
Fax: (804) 786-7221
E-mail:
shailendra.patel@VDOT.Virginia.gov

Questions ?

